Assessment Rubric – Written Communication: Laboratory Rubric

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| CRITERIA | LEVEL 1 | LEVEL 2 | LEVEL 3 | LEVEL 4 |
| **Technical skills**  1. Following procedure | Follows prescribed procedures with limited competence | Follows prescribed procedures with moderate competence | Completely follows prescribed procedures | Select and follows appropriate procedure |
| 2. Demonstration of technical skills | Demonstrates required technical skills and strategies with limited competence | Demonstrates required technical skills and strategies with moderate competence | Demonstrates required technical skills and strategies with considerable competence | Demonstrates required technical skills and strategies with a high degree of competence |
| 3. Safety procedures | Requires constant reminders to follow safety procedures | Requires some reminders to follow safety procedures | Follows required safety procedures | Routinely follows all safety procedures |
| 4. Use of equipment | Uses tools, equipment and materials with limited competence | Uses tools, equipment and materials with some competence | Uses tools, equipment and materials competently | Uses tools, equipment and materials with a high degree of competence |
| **Observations**  1. Observations | Makes few observations | Makes many observations but they may be insufficient to generate data | Makes sufficient observations to generate data | Makes thorough observations |
| 2. Data | Records little data | Records data but organization is lacking | Records relevant data in an organized way | Records relevant data in an organized and skillful way |
| **Analysis and Interpretation**  1. Data | Provides limited analysis of data | Provides some analysis of data | Provides sufficient analysis of data | Provides rich analysis of data |
| 2. Draw conclusions | Demonstrated limited ability to draw conclusions based on the data | Demonstrates some ability to draw conclusions based on data | Demonstrates valid conclusions based on the data | Demonstrates insightful conclusions based on data |
| 3. Questions and concepts | Answers very few questions correctly and demonstrates limited understanding of concepts | Answers some questions correctly and demonstrates some understanding of concepts | Answers most of the questions correctly and demonstrates considerable understanding of concepts | Answers all questions correctly and demonstrates thorough understanding of concepts |
| **Communication**  1. Neatness, grammar, spelling | Messy with very little effort or care taken with grammar and spelling  Communicates information and ideas with limited clarity and precision | Some effort and care taken with grammar and spelling  Communicates information and ideas with moderate clarity and precision | Very neat and organized with almost no grammar and spelling mistakes  Communicates information and ideas with considerable clarity and precision | Extremely neat and well organized with no grammar and spelling mistakes  Communicates information and ideas with a high degree of clarity and precision |